



Confirmation No.: 1116
Due Date: April 9, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John R. Beattie et al. Examiner: Not Yet Assigned
Serial No.: 10/616,022 Group Art Unit: 2879
Filed: July 9, 2003 Docket: PD-02-0719
Title: METHOD AND APPARATUS FOR BALANCING THE EMISSION CURRENT OF
NEUTRALIZERS IN ION THRUSTER ARRAYS

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 18, 2004.

By: 

Name: Bradley K. Lortz

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing a Certificate of Mailing under 37 CFR 1.8.
- ☒ Information Disclosure Statement and Form PTO-1449.
- ☒ Reference(s) Cited.
- ☒ Return postcard.

Please consider this a **PETITION FOR EXTENSION OF TIME** for a sufficient number of months to enter these papers, if appropriate.

Please charge all fees to Deposit Account No. 50-0494 of Gates & Cooper LLP. A duplicate of this paper is enclosed.

Customer Number 22462

GATES & COOPER LLP

Howard Hughes Center
6701 Center Drive West, Suite 1050
Los Angeles, CA 90045
(310) 641-8797

By: 

Name: Bradley K. Lortz

Reg. No.: 45,472

BKL/jml

(PTO TRANSMITTAL - GENERAL)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	John R. Beattie et al.	Examiner:	Not Yet Assigned
Serial No.:	10/616,022	Group Art Unit:	2879
Filed:	July 9, 2003	Docket:	PD-02-0719
Title:	METHOD AND APPARATUS FOR BALANCING THE EMISSION CURRENT OF NEUTRALIZERS IN ION THRUSTER ARRAYS		

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INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art". Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please direct any response or inquiry to the below-signed attorney at (310) 641-8797.

Respectfully submitted,

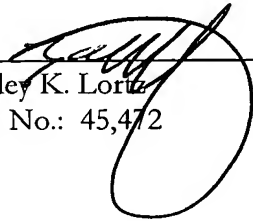
GATES & COOPER LLP
Attorneys for Applicant(s)

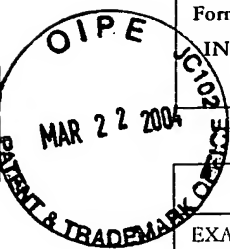
Howard Hughes Center
6701 Center Drive West, Suite 1050
Los Angeles, California 90045
(310) 641-8797

Date: March 18, 2004

BKL/jml

By: _____


Bradley K. Lortz
Reg. No.: 45,472



Form 1449*	Docket Number: PD-02-0719	Application Number: 10/616,022
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION		
Applicant: John R. Beattie et al.		
Filing Date: July 9, 2003	Group Art Unit: 2879	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,733,530	3/29/88	Beattie et al.				

FOREIGN PATENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Shimada, S., et al, "Evaluation of Ion Thruster Beam Neutralization" AIDAA/AIAA/DGLR/JSASS, Paper IEPC 91-025, October 1991.

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	